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THE DAKOTA STUDENT

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Professor discusses ethics and research

SEAN CLEARY
THE DAKOTA STUDENT

The Seven Generations Center of Excellence in Native Behavioral Health at UND hosted Gayle Morse of Sage University on Tuesday for a forum on Research and Ethics in Indian Country.



Morse

Morse opened the forum with a Lakota expression translated as: I hope I find you at peace, thank you for having me all my relations.

Morse spoke to a full room of UND students, faculty, staff and other visitors, about challenges researchers face when working with indigenous communities.

The opening expression tied

ETHICS: PAGE 3

Feast of Nations: A time to celebrate

SEAN CLEARY
THE DAKOTA STUDENT

The 54th annual Feast of Nations event is just around the corner, and UND senior Trevin Casinder has been busy making sure everything is in place.

“It started off as just a couple of international students who had like a minor potluck,” Casinder said. “They just came together, and they cooked their home-cooked meals, and the event has really grown from there.”

The event has been occurring on an annual basis since 1961, and it is considered one of the largest cultural events in the region.

Doors open at 5 p.m. with the program starting at 6 p.m. Prior to the main events and meal, attendees can visit various tables that are set up around the venue.

Several of the main events include acts from a company known as Folklorama, a Canadian-based company which specializes in cultural performances, as well as performances by UND students.

“It’s split up into four Folklorama professional acts, and then we have student acts that



Photo by Sean Cleary/The Dakota Student

Shae Bonifacio, Tiffany Shiu and Trevin Casinder of the UND International Organization were at the Memorial Union earlier this raising awareness for the upcoming Feast of Nations.

we audition ourselves and present,” Casinder said. “We have students from Angola, Japan and the Indian association performing.”

Casinder has experience with organizing the Feast of Nations event. Last year he served as the coordinator for the event, and this year he is the vice president

of UND’s International Organization, the student organization that hosts the event.

“One of the main reasons we exist as an organization is promote diversity at the university and to show people that we aren’t all too different,” he said. “There are different cultures around the world that are actu-

ally very interesting and quite unique in their own way.”

The event is scheduled for Feb. 6 at the Alerus Center. As of press time, there were still tickets available, but the event sells out early every year, so interested students are encouraged to pur-

FEAST: PAGE 3

University Child Learning Center gains approval

STAFF REPORT
THE DAKOTA STUDENT

UND’s University Children’s Learning Center (ULCL) received pre-kindergarten approval from the North Dakota Department of Public Instruction this past week.

The ULCL provides childcare services for members of the UND and Grand Forks community. There is also childcare training provided at the location. It is located on UND’s campus at 525 Stanford Road.

The UCLC was already licensed as a childcare facility by the North Dakota Department of Human Services, and the DPI’s approval of the UCLC is in addition to the early education laid out by the Department of Human Services.

“The teachers at UCLC are

UCLC: PAGE 6

UND Space Studies Series blasts off

JOURNEY GONTJES
THE DAKOTA STUDENT

This past Monday graduate students and space enthusiasts alike gathered in Ryan Hall for the first of seven total lectures in the UND Space Studies Colloquium Series.

The focus of the series is on human space exploration research for long-duration missions and will feature several leading experts in the field, the first of which was Pablo de León.

As an aerospace engineer for almost two decades, de León has experience in space project management, space suit design and extra-vehicular activities (EVA). He is currently an associate professor specializing in extravehicular activities and space suit design at the UND Department of Space Studies.

He is also preparing a new course on Human Spaceflight for UND and working as project manager of a NASA-funded program on planetary space suit design.

Working the space field for almost two decades, de León has



Photo by Nick Nelson/The Dakota Student

Pablo de León presented to UND students, faculty and staff on his work on analog sites this Monday.

an international reputation for his work on analogs. Analog sites are places with conditions that make them similar in some way to the conditions of a celestial body.

These sites portray simulations

of various scenarios of how conditions would be on a space mission, including being enclosed in a small environment, or practicing a task the astronauts must complete in space. They also help figure out

what can be done by humans and what can be done by robots instead while in space.

“Analog studies are important

SPACE: PAGE 6



Kelley’s UND
page 4

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Men’s hockey
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Women’s hockey
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Out and about on campus



Photo by Nick Nelson/The Dakota Student
Interim President Ed Schafer and First Lady Nancy met spent Wednesday afternoon visiting with members of the UND community at the Memorial Union. Today marks two weeks into his tenure as Interim President.

Weather Report

FRIDAY: HIGH: 39
Low: 28
SATURDAY: HIGH: 36
Low: 23
SUNDAY: HIGH: 34
Low: 18
MONDAY: HIGH: 19
Low: 3
TUESDAY: HIGH: 12
Low: -2
WEDNESDAY: HIGH: 9
Low: -2
THURSDAY: HIGH: 12
Low: -2

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DATEBOOK

TODAY, January 29, 2016

THEATER Greater Grand Forks Community Theatre presents “The Drowsy Chaperone” 7:30 to 9:00 p.m. at the Fire Hall Theatre. The show will run Saturday evening at the same time.

WEDNESDAY, JANUARY 30, 2016

EVENT 25th Annual Benefit and Silent Art Auction at the North Dakota Museum of Art. 6:30 p.m. Tickets are \$125 for individuals, \$880 for table of eight

RECITAL UND Department of Music hosts Nicholas Phillips for a piano recital. 6:00 to 8:00 p.m. at the Hughes Fine Arts Center

THURSDAY, JANUARY 31, 2016

WELLNESS “Cookin’ with the Kiddos”- Learn kid-friendly recipes at the Culinary Corner of the Wellness Center 1- 2 p.m.

THEATER Greater Grand Forks Community will hold auditions for upcoming plays. 7 to 8:30 p.m.

From the archives: Dating in 1930’s Grand Forks

Dear Editor:

It just dawned on me that maybe it would be enlightening to a number of the students if I were to show by an itemized account how much it costs to take out the Cinderella’s of the campus, which were referred to in the issue of the 4th.

On a Friday or Saturday night:

Cab fare (both ways)	-----	\$1.00
Theatre (Grand)	-----	1.00
Light lunch	-----	.75
Dance (for two hours):		
Entrance fee	-----	.40
Tickets	-----	1.00
Eats (again before going home)		1.25
Incidentals	-----	1.00
Total,	-----	\$6.40

Photo from the Dakota Student Archives, 1930
A letter to the editor of the Dakota Student from an issue in November 1930 in response to an article from the previous issue about dating in Grand Forks. Adjusted for inflation, this night on the town would cost just around \$90 today.

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in with a major theme of her talk: being interconnected with a community. She began the discussion with some of the ethical challenges researchers have faced during their work with Native American communities.

“Researchers have misinterpreted the data, others have used the data for other means than what they said they were going to use it,” she said. “Some people have not returned the data to the communities.”

Morse went on to describe some of the challenges that occur when a researcher comes from outside of a given community to study.

“Community voices around the world are demanding ethical research and challenging the way ethics has been conducted,” she said.

She stressed interdependency and transparency between researchers and communities in order for research to be productive and ethical.

“There needs to be a reciprocal relationship where the community has an expertise and the researcher has an expertise, and they join together as partners to develop the project”

Gayle Morse
Associate Professor

The current model of research at universities that requires a high volume of research in order to reach tenure is not always ideal for effective and appropriate research, according to Morse. Codevelopment of research on important topics that are relevant to the specific communities is time intensive, and many tenure-track professors are often expected to generate research at a much more rapid pace.

“Communities now expect to be involved in the process of the research, as well as the fruits of the research,” she said. “Many scientific groups including psychology, anthropology, even medical research have a history of cultural ignorance and bias when conducting research.”

She mentioned concerns such as a consent of the studied community as well as the sharing of the results of the research with the communities. Her specific examples of studies that had serious ethical violations were the Barrow Alcohol Study, an Arizona State University Study of the Havasupai Indians and the Human Genome Study.

In Barrow, Ala., the researchers had introduced an new method of measuring alcohol consumptions, and singled out this specific community for the problems facing the community, although other communities had similar levels of alcohol consumptions.

The researchers who studied the Havasupai Indians originally conducted a study regarding a genetic link to diabetes, but the researchers used the blood tests and information they gathered to study a variety of other topics without the tribe's consent, which led to protest and ultimately a lawsuit from the tribe.

On a larger scale, the Human Genome Study has been condemned by indigenous people around the world as the United Nations Bioethics Committee. The study, which involves taking blood from people in order to study the human genome, has raised concerns from indigenous populations regarding how the results from the study will be used and interpreted.

Morse used the ethical issues raised in these studies as examples of why there needs to be clear ethical guidelines in a variety of disciplines. Even within established ethical codes, she stressed that there is still room for improvement, and that researchers need to strive to respect the community they are trying to study.

“There needs to be a reciprocal relationship where the community has an expertise and the researcher has an expertise, and they join together as partners to develop the project,” Morse said. “Researchers should not assume that the community is too naive to understand the research.”

Morse explained to the forum that there is more than a single way to define ethics in a community, and that researchers should be cognizant of the ethical standards of the community that they are working with.

Morse also cautioned against bias among researchers, both explicit and implicit.

“There needs to be a change in our culture of research that recognizes that we can’t know everything about even our own biases,” she said.

Morse went on to explain the importance of cultural relevance

and humility when conducting research. These were themes that was reoccurring throughout the discussion; researchers need to make an effort to truly understand, respect and relate to unique communities, and they need to be humble enough to acknowledge the community is a fundamental part of completing their work.

One of the methods that Morse suggested as ideal for meeting these standards is known as community based participatory research.

"CBPR research is where the researcher and community become partners from the inception and the design to the implementation and publication," Morse said. "It describes a respectful way of conducting

research with indigenous people.

Morse is currently an associate professor of Psychology at the Sage Colleges in New York. Her research primarily focuses on the effect of toxic chemicals on mental health, and she is a member of the Mohawk Tribe.

The forum was part of the Seven Generations Center of Excellence's series on topics related to behavioral health and Native Americans.

The project brings scholars from around the country to UND to give presentations on their field and meet with students.

Sean Cleary is the editor-in-chief for The Dakota Student. He can be reached at sean.d.cleary@und.edu

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COMMENTARY

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discover **UND**



Images courtesy of und.edu

The three logos represent UND's priority on enrichment, expansion and enhancing the quality of life for everyone at UND.

A review of Kelley's exceptional UND

NICK SALLEN
THE DAKOTA STUDENT

Strategic priorities have been laid out to make UND exceptional. The roadmap to make this university exceptional was laid down by former President Robert Kelley in 2010. Kelley's roadmap had five priorities: "enrich the student experience, encourage gathering, facilitate collaboration, expand UND's presence and enhance quality of life."

Five years have passed since Kelley gave us his visual roadmap. Now that he is retired, I'd like to reflect on the steps Kelley took to further UND. In my assessment of Kelley's performance I will not be discussing the nickname fiasco because it's an issue larger than him.

In an effort to enrich the student experience, Kelley wanted to develop and implement high-impact, nationally recognized practices in teaching and learning. Since 2010, UND has had a focus on creating SCALE-UP (Student-Centered Active Learning Environment for Undergraduate Programs) classrooms as well as living and learning communities. The first classroom of this nature is all too familiar to biology undergrads who have had a class in the basement of O'Kelly Hall. The classroom is designed to facilitate small group, discussion-based learning that focuses on problem solving.

While I really like the classroom idea in theory, the learning experience leans heavily on how the instructor of the SCALE-UP room manages the learning. A professor who approaches the SCALE-UP classroom as if it were a traditional lecture bowl will not succeed. Neither will a class that focuses on students teaching themselves, because then there's no point in having a professor teach the class.

I think Dr. Jeffrey Carmichael of the biology department does the best job of teaching in the SCALE-

UP room. He uploads his lectures online for students to watch before attending class. Then in class, he will briefly review what was said in his online lectures before allowing students to work in their groups to apply their new knowledge to a couple of problems.

In order to encourage gathering and the personal interaction of students, faculty, staff and community members to facilitate idea sharing and develop a sense of community, Kelley improved Welcome Weekend events and made orientation more streamlined. He built the impressive Gorecki Alumni Center, remodeled Wilkerson with more gathering locations and renovated the basement of the Memorial Union.

While I think the Gorecki is a nice thing to look at while I'm walking by, it seems to be rarely used when prospective students are not gathering in droves to go on tours of campus. My belief is that the building was constructed to simply be something pretty on campus that will attract prospective students and alumni donations and does not serve a majority of students on campus.

In an effort to facilitate collaboration among academic programs and disciplines as well as between faculty, staff, and students in teaching and learning, research and extracurricular activities, Kelley accomplished this by creating the interdisciplinary program which includes digital humanities courses, a leadership minor, a social entrepreneurship graduate certificate and a master's degree public health program.

As a wildlife biology major and leadership minor who's not involved in any of the other aforementioned programs, I can only comment on my experiences in the leadership program.

The leadership minor is flexible enough to allow someone who

is not a communication or business major to meet the requirements of the minor fairly easily. I also think a minor in leadership is broad enough to have an impact on your resume in any field. The classes you take for a leadership minor prepare you to realize your own leadership potential and I think it'll make anyone more employable, especially if the applicant is applying for a leadership position.

The goal of expanding UND's presence beyond the campus boundaries to promote cultural, economic, intellectual and social vitality has been accomplished since Kelley retired. To meet this goal, Kelley created the UND Art Collections, continued supporting the writer's conference and created the position of Vice President of University & Public Affairs to enhance communication, marketing and government/community outreach and relations.

The last priority to make UND exceptional is to enhance the overall quality of life for all UND stakeholders. In an effort to meet this goal, the Wellness Center created the seven dimensions of wellness, the diversity advisory council was established and the learning and development program has staffed training opportunities that are aimed at educating faculty and staff on UND processes and policies.

Overall, I think Kelley did a great job in modernizing campus. The renovation funds were allocated judiciously, and while I still think the Gorecki was a waste, the new law school, medical school and high-performance center more than make-up for his one major renovation fault.

Nick Sallen is the opinion editor for The Dakota Student. He can be reached at nicholas.sallen@und.edu

DSVIEW Budget shortfall

SEAN CLEARY
THE DAKOTA STUDENT

Budgets shortfalls have been the topic of conversation lately, both at UND and for the North Dakota state government. While not the most thrilling of topics to some, having a solid budget is important to any policy an institution wants to pursue. Interim President Ed Schafer expressed this view to Student Senate last week, and the same idea holds true for the state government.

It has become apparent that North Dakota government will have to face the reality of lower than expected tax revenue in the near future. The Associated Press reported earlier this week: "The new forecast that's expected to be unveiled Feb. 1 will show state revenues falling more than \$400 million short of initial projections and enough to trigger budget cuts of 2.5 percent for most state agencies," economics professor Pam Sharp said.

This \$400 million shortfall comes from a \$14.4 billion dollar biennium budget that was passed last legislative session and took effect July of 2015.

This shortfall has repercussions for our university as well. Earlier this week Gov. Jack Dalrymple told the Grand Forks Herald that if the automatic budget cuts occur, it will add around \$6 million dollars to the already \$5 million budget gap that UND is experiencing. For some perspective, this is out of a university budget that is currently \$535 million dollars and was \$461 million dollars in 2012.

There is no reason to think the sky is falling at UND, but important decisions will need to be made. It's easier to say budgets need to be balanced than actually picking what items to cut.

Policy-makers at the state level will be faced with these decisions as well. It is unfortunate that it will very likely come to a 2.5 percent across the board cut to state agencies, along with dipping into savings, in order to keep the state government operating with a balanced budget, but this is a consequence of having a state economy and government finances that are dependent on commodity prices.

North Dakotans deserve a state government that is efficient and fiscally sound. Any cuts to state expenditures should be seen as a temporary fix to a problem that needs to be addressed by the state as soon as possible. A more targeted and deliberate approach to appropriating state money is preferable over the long term to simply reducing all expenditures across the board, especially if these cuts are significant.

The state budget has obviously fluctuated in size and scope during the oil boom years, and changes clearly need to be made with commodity prices and tax revenue being where they are at now. This doesn't mean that it is time to panic, but rather that there needs to be a clear-eyed view on what needs to be done to put the state on a path that makes it a great place to live and work. This has been done before.

These issues with budgets are not going away anytime soon; in some ways the conversations are just starting to heat up. As they progress, we should expect and demand a level-headed approach from our leaders, both at the university and statewide level.

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SEAN CLEARY EDITOR-IN-CHIEF
NICK SALLEN OPINION EDITOR

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> Letters may be mailed to 2901 University Ave. Stop 8385, Grand Forks, N.D. 58202-8385 or dropped off at room 8, Memorial Union.

> Letters must be typed and must include the author's name, major or profession and telephone number.

> All letters will be edited to fit the allocated space. Writers may be limited to one letter per month.



Photo courtesy of cmais.com

Ruth Kluger is a holocaust survivor who wrote about her time in concentration camps.

Holocaust victims honored

AMINA CHINNELL
THE DAKOTA STUDENT

It has been 70 years since the Soviet army broke down the walls of Auschwitz, which was a death camp for Jews during the reign of Hitler. Many former Holocaust victims were not only honored, but stood in solidarity at a place that not only haunts them but questions what ultimate human suffering looks like.

During World War II, more than a million other victims were killed at the place these survivors stood before. While we know the story of the inhumane treatment and harmful attempt to annihilate the Jewish people throughout Europe, effects are still being felt. Many of the former victims who gathered wore scarves or sashes that mimicked the very stripped patterns that they had to wear while they attended the camp.

The very collection of these victims is not only a commemoration of the event, but it serves as a reminder of what was, and unfortunately still affects the area. Over the last six years the rise of anti-Semitism has once again resurfaced throughout the European Union.

With a period of multiple generations of new Jewish people arising, many have had to flee from their former lands of glory. Just as many 70 years ago tried to flee for their lives, the matters of conflict and violence

that have returned, and driving many Jews out of their once former homelands of glory.

In a statement released by Federica Mogherini, the European Union's foreign affairs representative, she said, "We must be honest enough to admit that more than 70 years after the Shoah, anti-Semitism is still alive in our 'civilized' European Union".

With the most recent attacks occurring in Paris, and smaller ones throughout Europe, many Jewish immigrants have moved toward Israel or other safe havens. According to data examined by the European Union's Immigration Affairs office, as many as 8,500 immigrants who were once living in France have moved. Many have been scared, and felt specifically targeted as a result of the Islamic extremist attacks. While France used to be considered one of the safest places for the Jewish population there, many have felt that security has been broken in the wake of the recent tragedies.

On the Saturday before this event was held, many stood within the same square holding banners, with the words reading "Refugees not Welcome, Hitler Was Right" on them. The attacks have created and foster hostility between those escaping the violence in their own home countries such as Syria, and the Jewish population who feels like they have been the targets of

severe Muslim attacks.

It seems that while both of these groups are affected by feelings of hate and discrimination there is a not a clear cut mold of how one should act or how one should feel toward each group.

Anti-migrant views have showed throughout continent on both sides, where it seems that there is no middle ground to be found.

During the official commemoration of the event, leaders on both sides made room to try and bring peace to not only the similar issues facing both Muslims and Jews, but the affects everyone around the world have began to feel. British Prime Minister David Cameron, plans to build a day that not only commemorate the memorial to the Holocaust, but create a day that can remind all people of the day of peace.

It seems these two groups have more in common than people make them out to be. Perhaps it is time to think about how we can brainstorm other ideas to add to such efforts of piece and think about how we can help add to the cause. In the word of Holocaust survivor Ruth Klueger, "We should open borders and hearts with generosity." It doesn't really matter here we are from.

Amina Chinnell-Mateen is a staff writer for The Dakota Student. She can be reached at aminakins101@gmail.com



Photo courtesy of freedomoutpost.com

Federica Mogherini is the European Union's foreign affairs representative.

Understanding the presidential primary process

NICK SALLEN
THE DAKOTA STUDENT

If you're like me and this is the first election you will be voting for, then you probably don't know how to vote for the candidate you'd like to win the presidential primary. Here's your guide to the presidential primary process.

The convention

Prior to a general election, there is a selection process to determine which candidate will appear on the ballot for a given political party in the nationwide general election. Political parties generally hold national conventions at which point a group of delegates collectively decide upon which candidate they will run for the presidency. The process of choosing delegates to the national convention is undertaken at the state level, which means there are significant differences from state to state and year to year. The two methods for choosing delegates to the national convention are the caucus and the primary.

The caucus

Caucuses were the original method for selecting candidates but have decreased in number since the primary was introduced in the early 20th century. In states that hold caucuses, a political party announces the date, time and location of the meeting. Generally any voter registered with the party may attend. At the caucus, delegates are chosen to represent the state's interests at the national party convention. Prospective delegates are identified as favorable to a specific candidate or uncommitted. After discussion and debate an informal vote is taken to determine which delegates should be chosen.

The primary

In the early 20th century there was a movement to give more power to citizens in the selection of candidates for the party's nomination. The primary election developed from this reform movement. In a primary election, registered voters may participate in choosing the candidate for the party's nomination by voting through secret ballot, as in a general election.

There are two main types of primaries, closed and open. Both determine who is eligible to vote in the primary.

In a closed primary a registered voter may vote only in the election for the party with which that voter is affiliated. For example a voter registered as Democratic can vote only in the

Democratic primary and a Republican can vote only in the Republican primary. In an open primary, on the other hand, a registered voter can vote in either primary regardless of party membership. The voter cannot, however, participate in more than one primary. A third less common type of primary, the blanket primary, allows registered voters to participate in all primaries.

In addition to differences in which voters are eligible to vote in the primary, there are differences in whether the ballot lists candidate or delegate names. The presidential preference primary is a direct vote for a specific candidate. The voter chooses the candidate by name. The second method is more indirect, giving the voter a choice among delegate names rather than candidate names. As in the caucus, delegates voice support for a particular candidate or remain uncommitted.

In some states a combination of the primary and caucus systems are used. The primary serves as a measure of public opinion but is not necessarily binding in choosing delegates. Sometimes the party does not recognize open primaries because members of other parties are permitted to vote.

Awarding the delegates

The Democratic Party always uses a proportional method for awarding delegates. The percentage of delegates each candidate is awarded (or the number of undecided delegates) is representative of the mood of the caucus-goers or the number of primary votes for the candidate. For example, imagine a state with 10 delegates and three candidates. If 60 percent of the people supported candidate X, 20 percent supported candidate Y, and 20 percent supported candidate Z, candidate X would receive six delegates and candidates Y and Z would each receive two delegates.

The Republican Party, unlike the Democratic Party, allows each state to decide whether to use the winner-take-all method or the proportional method. In the winner-take-all method the candidate whom the majority of caucus participants or voters support receives all the delegates for the state. The best way to find information about your state is to contact your state Board of Elections.

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Measuring change in college majors over time

ABDUELELAH DARANDARY
AND ZACHARY FLATEN
THE DAKOTA STUDENT

In higher education, money speaks volumes for selecting a major for many students in America.

The National Center for Educational Statistics reported data ranging from 1970 to 2012 regarding college degrees achieved and each major as a percentage of the whole picture, or of total degrees earned.

An interesting picture appears in the movement of chosen career paths and degrees. For instance, we see an increase in computer science degrees earned from 6.3 percent of total degrees earned in 1970 to 8.1 percent in 2012.

Although this figure is still a modest increase, most other majors fell as a percent of the total. Education majors, once 21 percent of total degrees in 1970, now make up only 5.9 percent of degrees earned. Social and behavioral sciences dropped decently from 23 percent of majors to 16 percent. Humanities degrees remained relatively the same total composition of degrees over the course of this time span.

Overall, business degrees increased from 13.7 percent of total degrees earned in 1970 to 20.5 percent of degrees earned in 2012. The last category of degrees that rose significantly was the "other degrees" category, compar-

ing only 9 percent of degrees in 1970 and rising substantially to 20 percent in 2012.

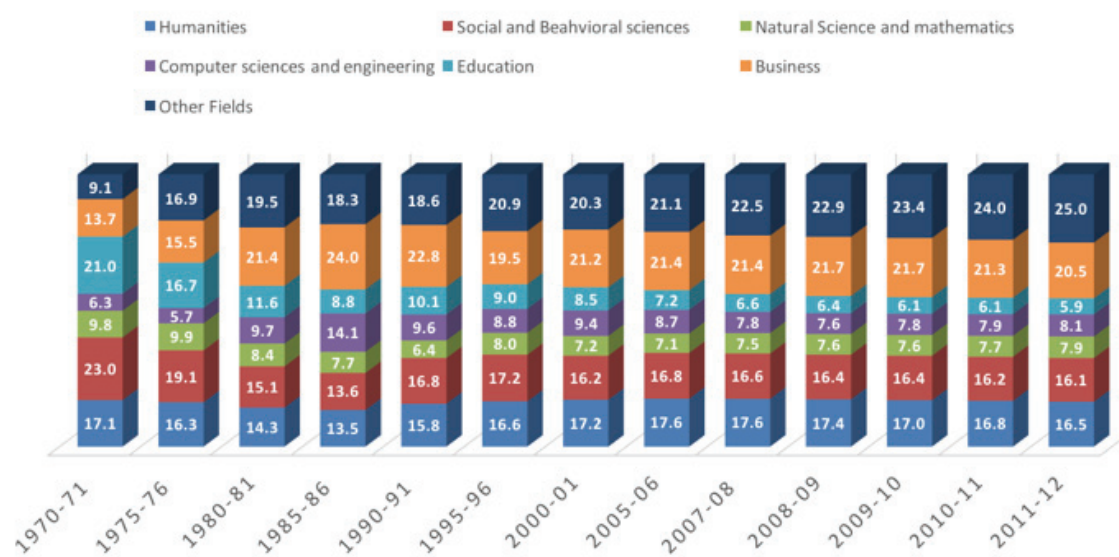
This "other degrees" section includes a wide variety of less popular degrees along with the ever popular health and legal services, which generally include students achieving undergraduate degrees in attempt to go to medical or law school. The degrees that increased their overall percentage in this 40-year span generally had an association with higher income generated in these professions.

When we look at computer science, we might ask why there hasn't been a larger increase, due to computerization and the prevalence of the Internet in popular culture, as well as the business world. The business sector may contain a higher demand in the labor market, and offer higher compensation.

The exact reason for the magnitude of these increases are still unknown, but can be speculated upon. Money might be the central factor in each disciplinary increase. After all, the majors with the highest average starting salaries, according to Forbes, are computer science, engineering, economics, accounting and finance.

This indicates a trend in more students graduating with degrees that pay well right away. The "other categories" section, included legal service and health

NCES DATA: COLLEGE ENROLLMENT BY MAJOR (BACHELOR
4YR PERIOD) 1970-2012 [SELECTED PERIODS]



Graphic by Abduelelah Darandary and Zachary Flaten

Education has had a noticeable decline in popularity as a college major since 1970, while "other fields" including pre-professional degrees has expanded most rapidly.

service, which boast high income positions for advanced degrees beyond an undergraduate one.

Monetary return on an investment into education is definitely a major influence to consider when choosing a major, especially with tuition costs and books being on the rise. I know what some of you are thinking this is obvious.

However, this read presents an eye opening issue. It questions such a realization of why there is change over time, and that many professions are valued

according to their income earning capabilities rather than their social contributions.

We find ourselves asking questions such as: How long will this last, we ask, and will monetary reward be the major influence of enrollment trends? What are the consequences? And is monetary incentive the most significant influence of enrollment trend?

Abduelelah Darandary and Zachary Flaten are contributors for The Dakota Student.

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Photo by Nick Nelson/The Dakota Student

The University Children Learning Center provides childcare services to both UND and the greater Grand Forks community.

UCLC | 1

FROM PAGE

excited about receiving this approval because it is recognition of the hard work they do every day educating young children," said UCLC Program Director Dawnita Nilles. "Early childhood educators are a valuable part of a child's development and learning, which we know begins at birth, not at kindergarten. This approval is a way for my highly qualified teachers

to be recognized for their part in the child's education."

According to a UND press release, applicants must have a valid North Dakota teaching license, curriculum must follow content standards and incorporate 10 hours of research-based parental involvement in order to receive pre-kindergarten approval.

Sean Cleary is the editor-in-chief for The Dakota Student. He can be reached at sean.d.cleary@und.edu

SPACE | 1

FROM PAGE

because they help test and simulate procedures and equipment which may be used in part to get to other planets or the moon. It also allows us to test techniques or conducting scientific research in space," de León said. "Simulating space explorations on analog environments on earth reduces the risk and cost of future space missions."

But the task of building an analog site is not as simple as it may sound. As de León stressed the importance of fidelity. Fidelity describes how close the simulation is to the actual target environment in space. Conditions such as reduced gravity and extreme temperatures can sometimes be difficult to simulate.

Specifically, de León's lecture dis-

cussed research on analogs for Mars.

Mars has been a topic of interest for both NASA and other space organizations for quite some time. People can sign up with the Netherlands company Mars One to train to take a one-way trip to Mars and build a human settlement. Mars One expects to send an unmanned spacecraft in 2020, and crews will depart on the one-way journey starting in 2026.

Normally, analogs are crewed by teams of volunteers who operate under "Mars conditions" for a periods of time ranging from a few days to a few years.

Analog sites can often be located in remote areas such as Antarctica, deserts or on the rugby field right here in Grand Forks, which is where the UND Space Studies Program analog site is tested.

Although being located in Grand

Forks has some advantages, such as the extreme temperatures, it is still not an ideal location for the analog. Even though it is very expensive, the analog is built to be relocatable in case the opportunity arises to test elsewhere in different conditions.

UND currently is receiving an EPSCoR grant from NASA to increase current size and volume capabilities of the current analog unit, and de León is hoping to add four modules to the current analog site with this grant, which will include modules for exercise, plant research, geology and EVA/maintenance.

There is another analog mission planned for April 2016 right here at UND.

Journey Gontjes is a staff writer for The Dakota Student. She can be reached at journey.gontjes@und.edu

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Hawks can't get complacent against Broncos

UND looks to take its winning 2016 record on the road to face Western Michigan before the bye

ALEX STADNIK
THE DAKOTA STUDENT

There have been a few mis-steps along the way, but overall the UND men's hockey team has gotten off to a fantastic start to 2016.

The Hawks have had the luxury of playing at home for the seven games to start the year, but one of the marks of a good team is taking care of business at home and against lesser teams.

UND went 5-1-1 over that stretch and are looking to add to their impressive 20-3-3 against NCHC rival Western Michigan this weekend.

For the second straight week-end in a row, the Hawks will face off against a team that sits in the bottom tier of the NCHC. The Broncos are 7-14-3 overall and sit at a lowly 4-9-1 against the rest of the NCHC Conference. What makes matters worse for Michigan State is the fact that it hasn't won a game in the last six and this weekend does not look promising either.

Once again, UND cannot sleep on any team in the conference a fact that become evident last Friday against Colorado College.

The Tigers are last in the conference but almost came back from a four-goal deficit against the Hawks in The Ralph Engelstad Arena. UND appeared to stop skating as hard in that game and it almost cost the team, a mistake it will not make again.

"The last two Fridays have been parts of a game, not a total 60-minute game," Berry said. "I

thought the two Saturdays, the bounce back Saturdays, have been 60-minute games, so going forward that is what we want to strive to."

Consistency will be a key to winning this road series. UND players will need to keep its tempo up even in the face of fatigue. The Broncos are a physically brooding team with their average player clocking in at around 6 feet 1 inch.

"They are a big physical team, they try and wear you down, they try to take away time and space," Berry said. "I know the last two times we've played there over the course of the last two years, we came out of that rink and guys were fatigued. They were mentally and physi-

"The last two Fridays have been parts of a game, not a total 60-minute game. I thought the two Saturday, the bounce back Saturdays, have been 60-minute games, so going forward that is what we want to strive to."

Brad Berry
UND head coach

PUCK | 8

Kohler and Amy Menke are currently leading the pack in the point's race. Menke takes top rank with 26 total points on the season and Kohler and Dufault sit neck and neck with 21 and 20 points respectively.

UND may have a dependable offense but without the immaculate defensive job that Shelby Amsley-Benzie has done this year, this team may not be where they are now. Amsley-Benzie has laced up for 20 starts, letting in 32 goals and posts a 1.59 goals against average with a .930 save percentage.

In comparison, Amsley-Ben-

zie trumps Mavericks starting goalie Brianna Quade. Quade has let through over double the amount of goals at 83, holding 3.29 goals against average with a .896 save percentage.

The Fighting Hawks will return home this weekend for the second to last home series to host the Minnesota State Mavericks at Ralph Engelstad Arena.

Friday's game will begin at 7:07 p.m., with Saturday's puck drop scheduled for 4:07 p.m.

Allyson Bento is a sports writer for The Dakota Student. She can be reached at allysonmarie.bento@und.edu

cally tired coming out of there, and we need to make sure that we have a lot of energy going in there."

UND has its own players that Michigan State needs to worry about. A week after fellow rookie Brock Boeser won the award, Rhett Gardner took home the NCHC Rookie of the Week after a four goal weekend against CC.

He and players such as Luke Johnson, who scored two goals last weekend, have taken up the

mantle of scoring in the absence of top line players such as Nick Schmaltz and Drake Caggiula.

The other challenge that the Hawks face this weekend is complacency. It would be very easy to overlook a lower-tier team with the bye week coming up right after. But if UND can take care of business, it will be sitting in great position heading into the week off and have the opportunity to rest players who are banged up.

"Every year at this time of

year we get that by week, and I think that's good from a standpoint of trying to work on some things system wise where you need to," Berry said. "You get a chance before the last push and also you try to get bodies healthy 100 percent for the last the last run."

Puck drops tonight at 6 p.m. in Kalamazoo, Mich. and at 7 p.m. on Saturday.

Alex Stadnik is the sports editor for The Dakota Student. He can be reached at alex.stadnik@und.edu

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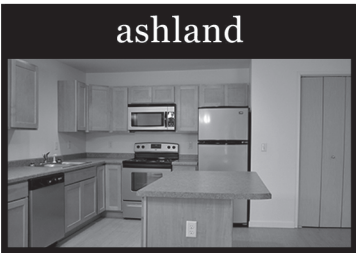
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Hawks flying high on the road

UND is 3-1 in its last four games and will look to add to that record against Northern Colorado

ADAM GUNDERMAN
THE DAKOTA STUDENT

The Fighting Hawks look to finish their three-game road trip Saturday night as they take on the University of Northern Colorado Grizzlies.

UND is currently riding a hot streak, winning four of its last five games. They have won their last two, both on the road and could sweep their road trip with a win Saturday night.

“I like the direction we’re going,” UND coach Brian Jones said. “I’m really confident in our crew.”

The Fighting Hawks got to triple digits this year for their first time in the first game of the trip against Northern Arizona University en route to a dominating 101-59 performance.

The UNC Grizzlies come into the matchup with a 7-13 record. They have been a streaky team this season. While they are currently on a three-game winning streak but before that, the Grizzlies had lost four games in a row.

After winning their last two, the Fighting Hawks have an overall record of 10-9. Part of the reason they have been as successful as they have lately is due to the fast starts.

The Fighting Hawks are currently 5-3 in the Big Sky Conference which is good enough for third place behind Weber State and Montana. The Grizzlies on the other hand have a 4-4 record



Photo by Nick Nelson/The Dakota Student

UND captain Quinton Hooker cutting through the lane to score on a layup against Montana State this season.

in the Big Sky and are looking to pull into a tie for third place with UND, which makes Saturday’s bout that much more important.

In the past, the Grizzlies have given the Fighting Hawks trouble. Since joining the Big Sky Conference, UND has gone 2-4 against UNC and have dropped their last two games against them.

Quinton Hooker continued his solid season last time out, tallying 28 points. It marked the

24th straight game he has scored double digit points. He and Geno Crandall create problems for other teams offensively. Both are offensive forces that make defenses have to prepare for them.

“We’re really clicking right now,” Hooker said. “It’s our chemistry and defense.”

UND will need both Hooker and Crandall to keep up its pace. When both of them are going, the Fighting Hawks are a very

difficult team to deal with. If their defense plays to it’s potential as well, they will be a force in the Big Sky Conference.

Offensively, the Fighting Hawks and Grizzlies average about the same amount of points scored per game. UND is number two in the conference with 77.9 points per game, and UNC is third with 77.8 points per game.

With a week’s time in between its last game against South-

ern Utah and Saturday’s game with the Grizzlies, UND has had ample time to rest up and prepare for its conference rivals.

Tip-off for the game is 8 p.m. central time in Greeley, Colo.

Adam Gunerman is a sports writer for The Dakota Student. He can be reached at adam.gunderman@UND.edu

Women’s hockey feeling the urgency

ALLYSON BENTO
THE DAKOTA STUDENT

Returning home after a pair of tough losses, the Fighting Hawks are looking forward to their next series.

Despite losing to the best team in the conference, the University of Wisconsin, UND held tight to the No. 8 spot in the USCHO.com Division I Women’s Poll.

Switching gears to the coming weekend, UND is set to battle it out with Minnesota State in yet another crucial conference series. Although the Mavericks are on the opposite end of the standings as the previous weekend opponents, the squad looks to treat this series with the same determination and strength as any other.

“We cannot play to their level,” UND forward Shannon Kaiser said. “We have to go out

This is a huge series for us. We have to come out of the weekend with a sweep, no questions asked.

Shannon Kaiser
UND forward

as the enforcers and not let up until the clock strikes zero. It is crucial for us to continue to play 60 full minutes of solid hockey so that we continue to play that way from now forward through the rest of the season.”

Minnesota State has yet to claim a conference series or even a single conference win this season. Looking back at these two teams, the Mavericks have not



Photo by Nick Nelson/The Dakota Student

UND goalie Shelby Amsley-Benzie fighting off a puck against Minnesota Duluth.

been able to defeat the Hawks since February 2014. While the series might appear easy on paper, every game from here on out is important to UND.

“This is a huge series for us. We have to come out of the weekend with a sweep, no ques-

tions asked,” Kaiser said. “Especially against a team that is at the bottom of the league, some improvements that we need to make for the upcoming series is to just simply put the puck in the net.”

This series will also see the

return of first line forward, Meghan Dufault, after a single game suspension kept her out of the lineup in the second game of the Wisconsin series. Dufault

PUCK: PAGE 7

Schedule	M HOCKEY	M BASKETBALL	W HOCKEY	W BASKETBALL
	UND @ W. MICHIGAN 6 p.m. 1/29 MICH.	UND @ N. COLORADO 8 p.m. 1/30 COLORADO	UND VS MSU 7:07 p.m. 1/29 UND	UND VS N. COLORADO 7 p.m. 1/29 UND